"DOCKET" 2E52T860

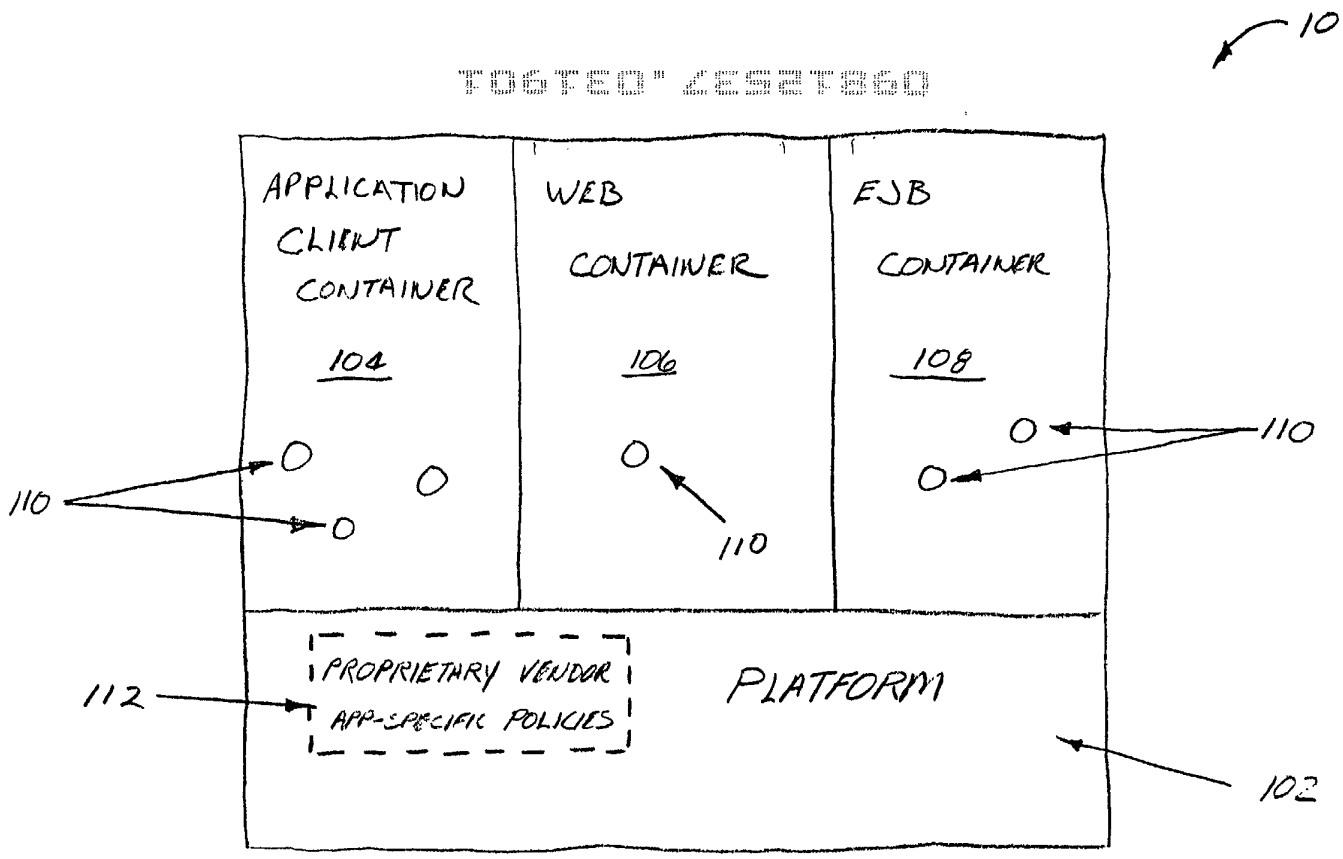

Fig. 1
(PRIOR ART)

Tested - 2e5a1960

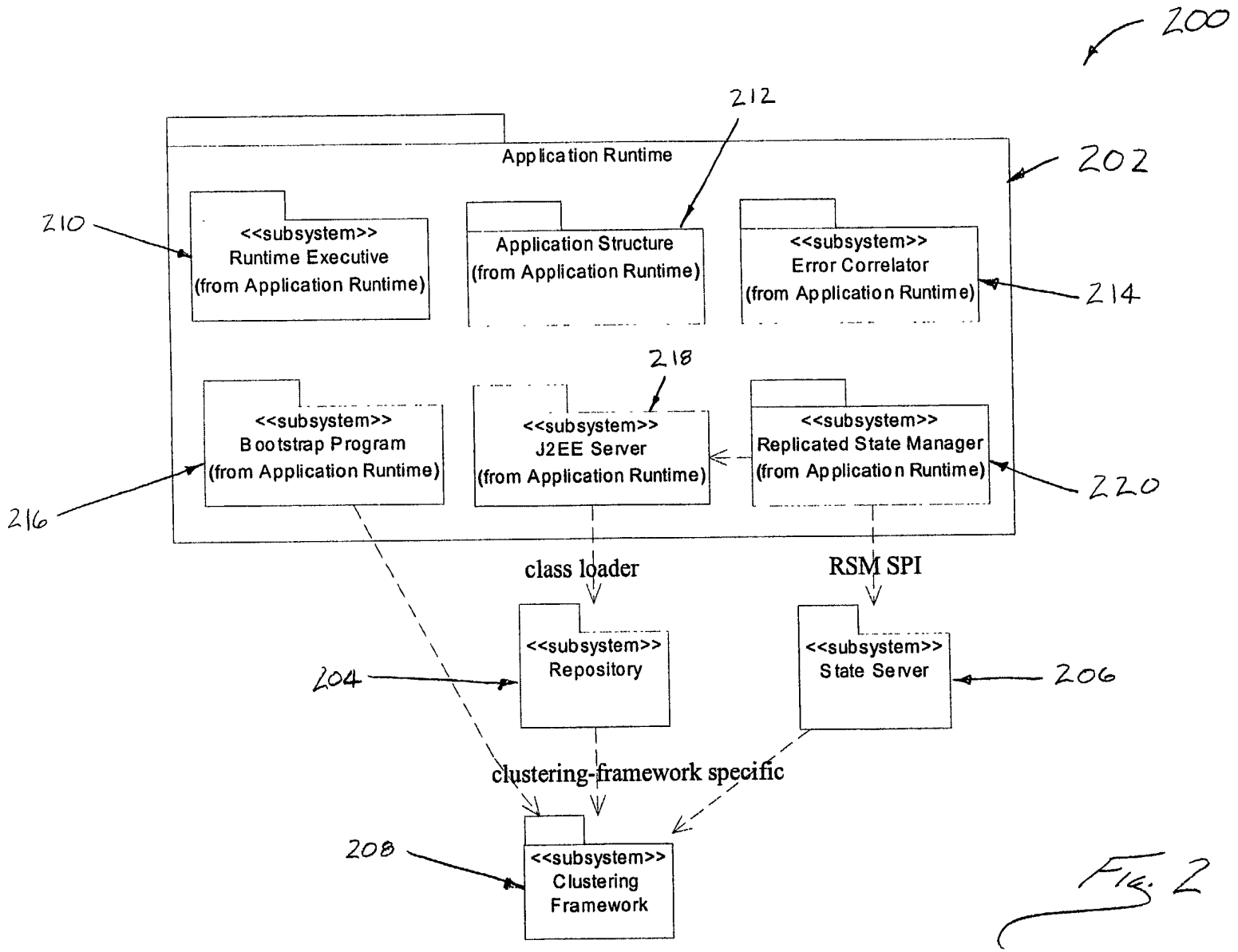

Fig. 2

TOETED: 25247960

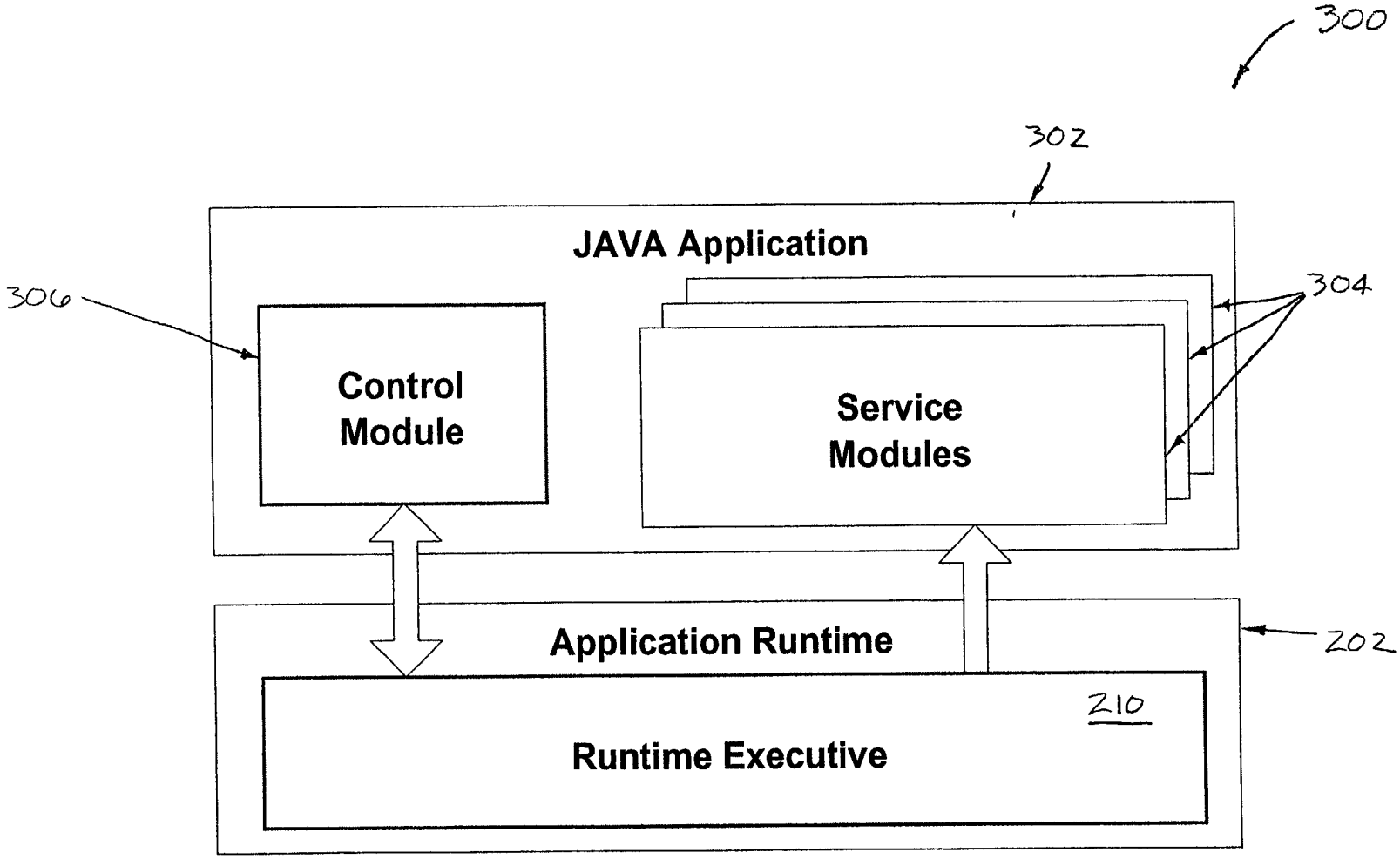

Fig 3A

TESTED - 2598860

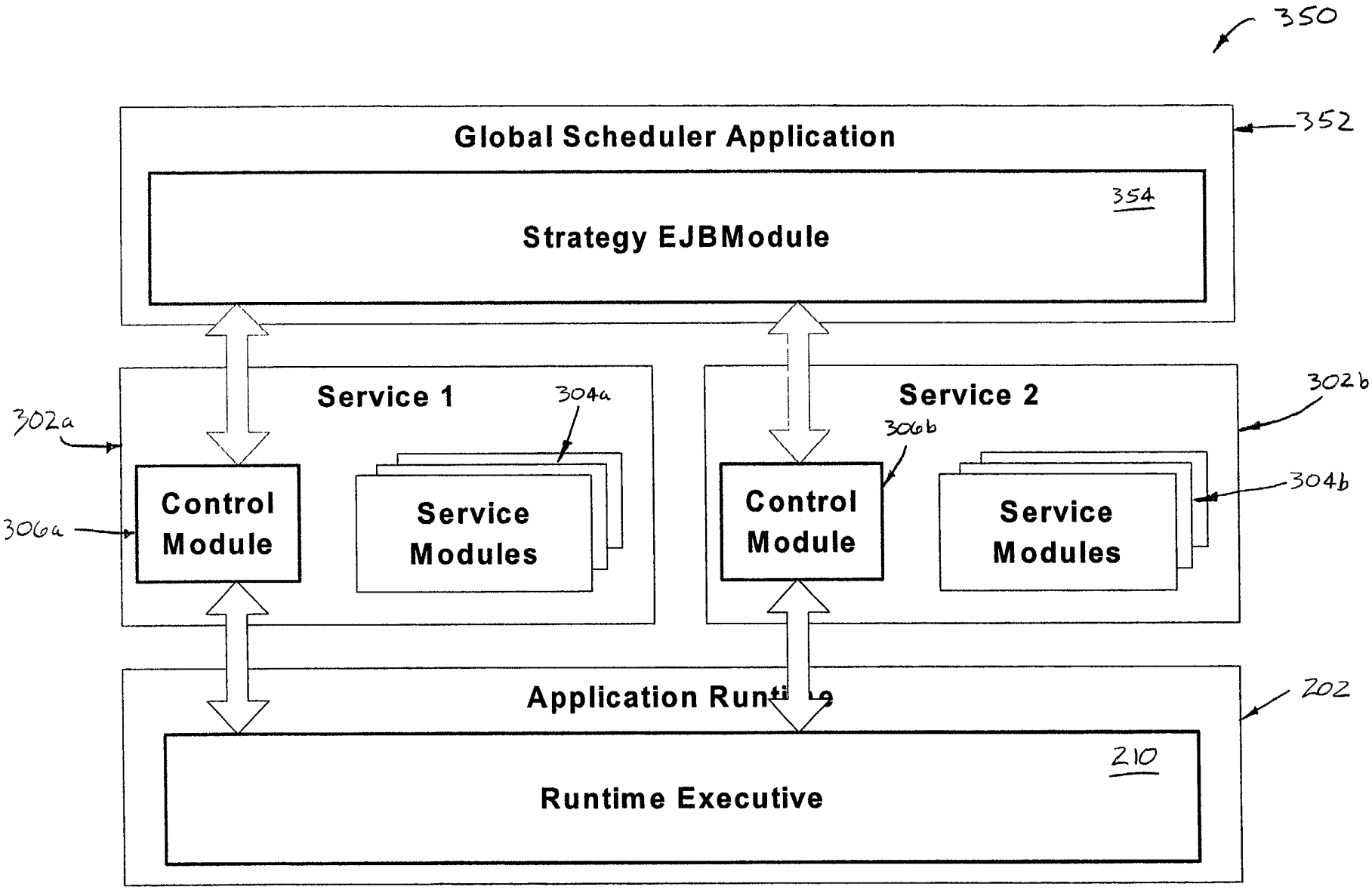

Fig 3B

TOGETHER WE STAND

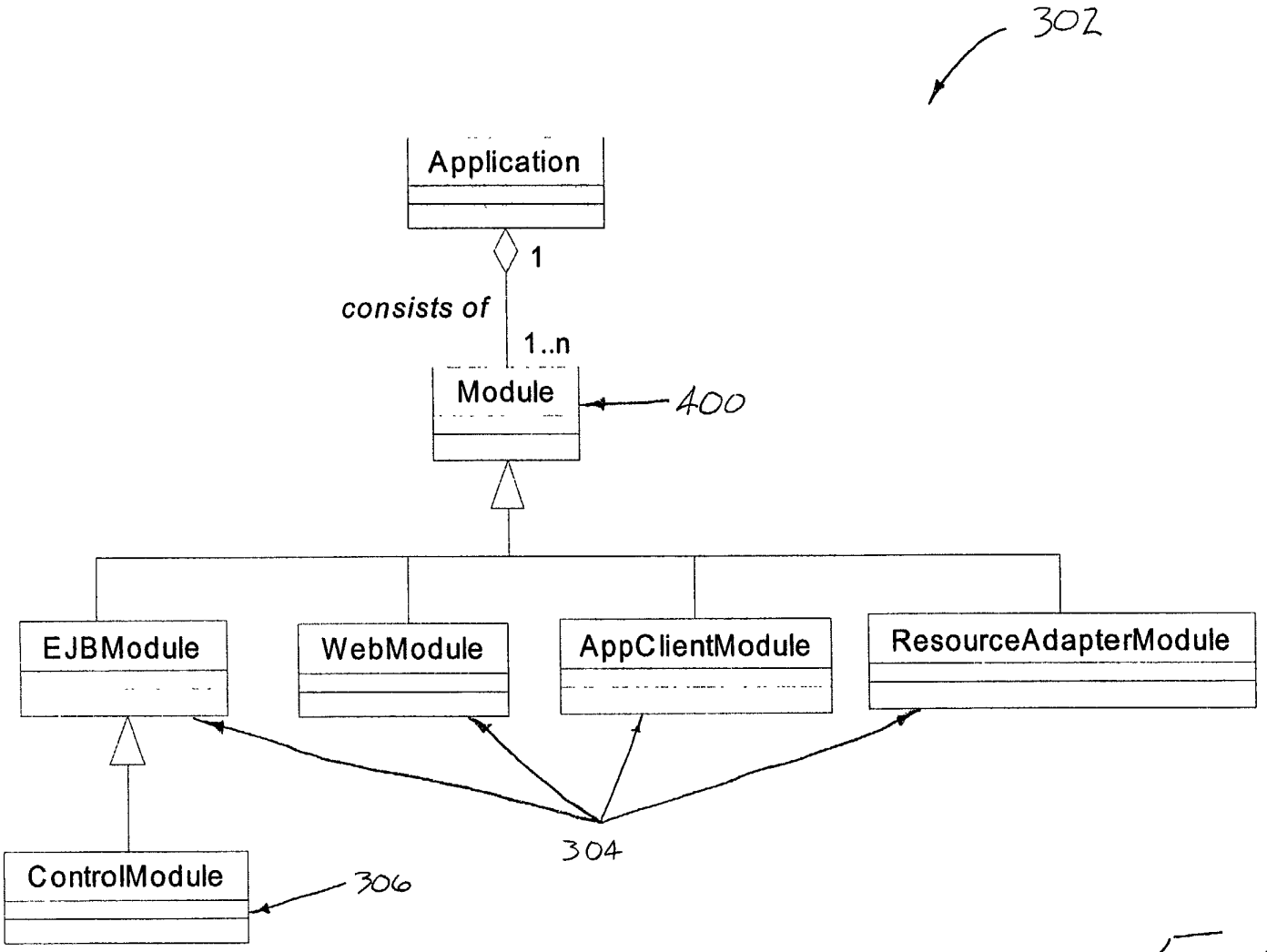

Fig 4

TOGTED" 2E9E1860

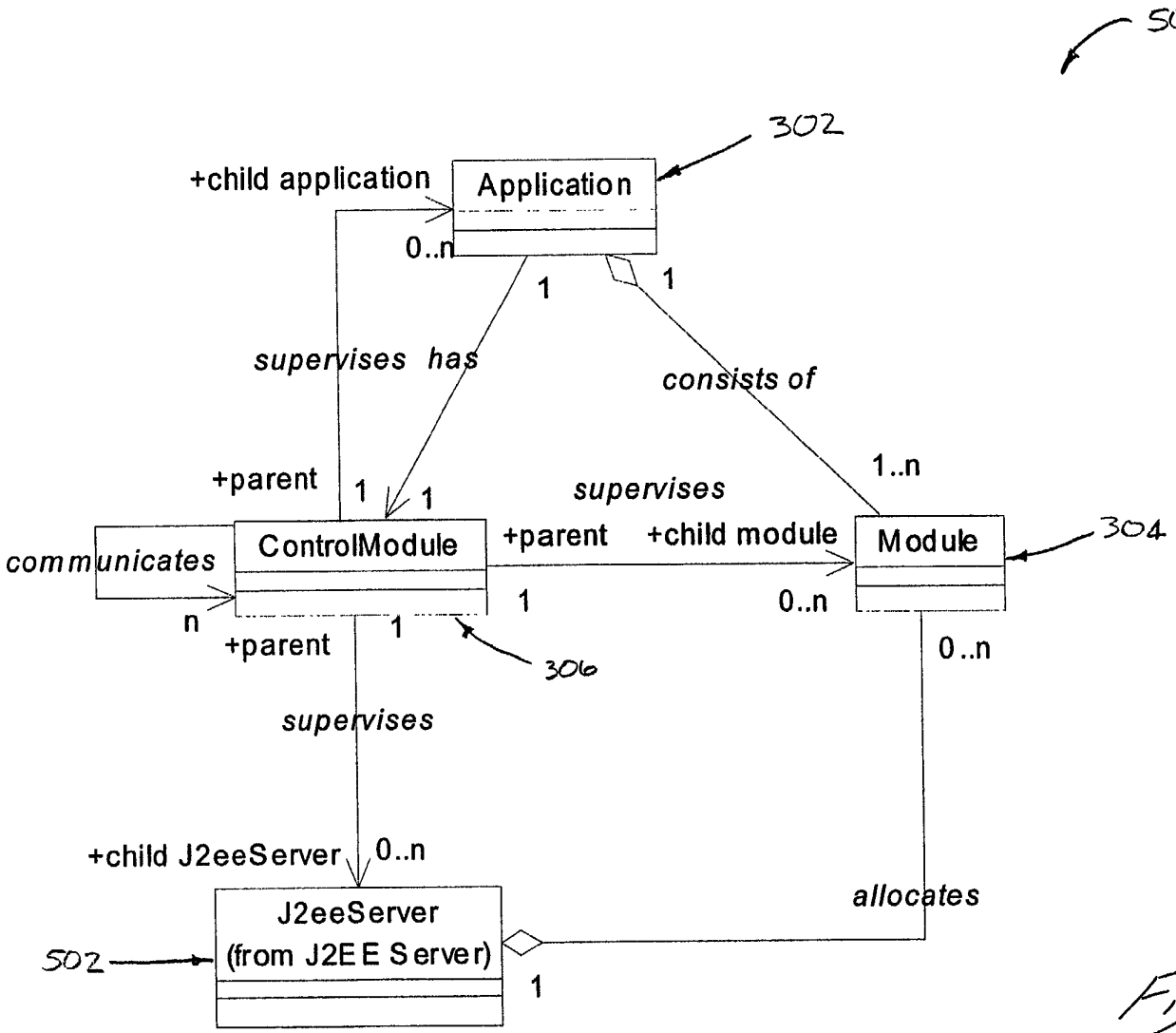

Fig. 5

PATENT APPLICATION

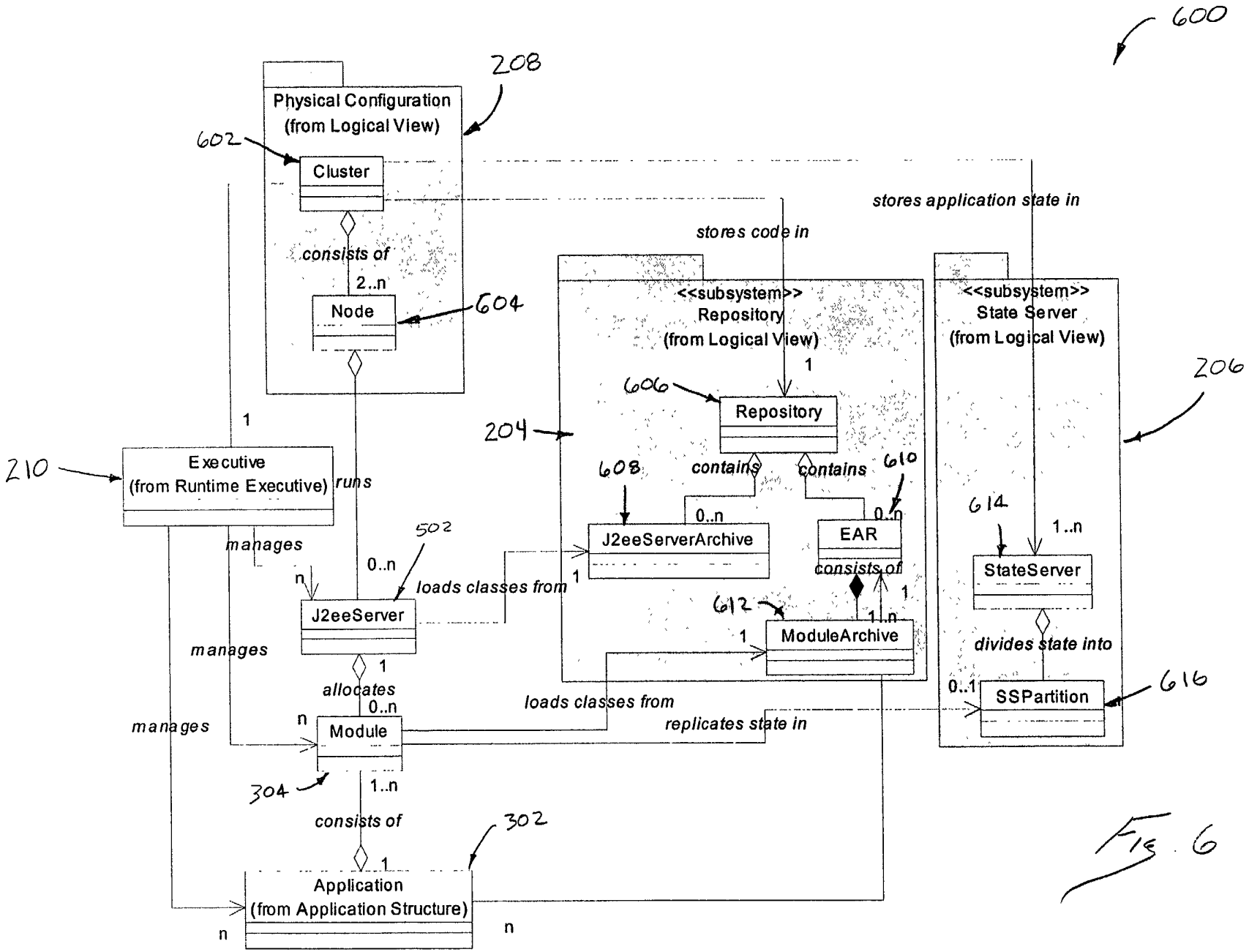

Fig. 6

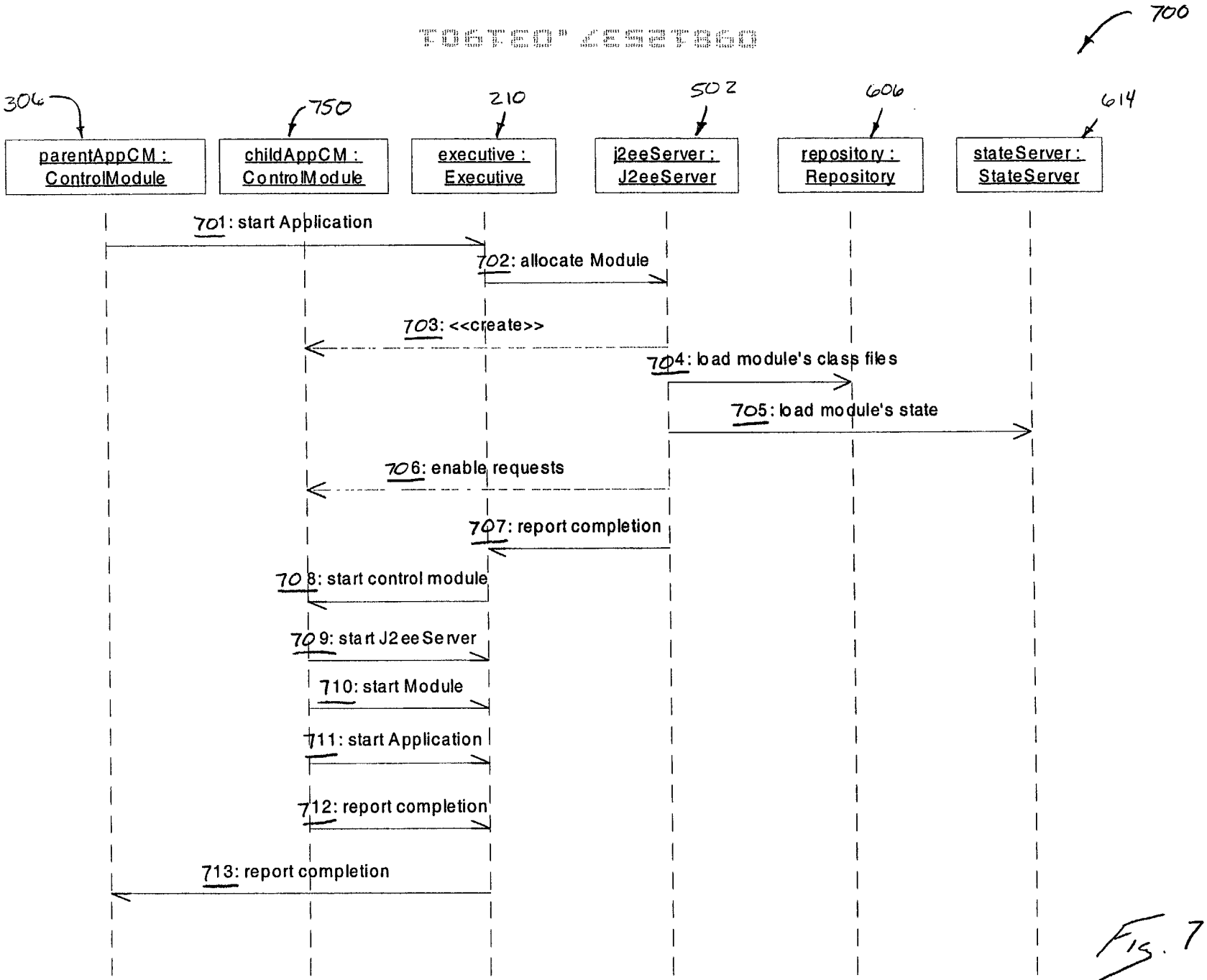
700
306
750
210
502
606
614
parentAppCM : ControlModule
childAppCM : ControlModule
executive : Executive
j2eeServer : J2eeServer
repository : Repository
stateServer : StateServer
701: start Application
702: allocate Module
703: <<create>>
704: load module's class files
705: load module's state
706: enable requests
707: report completion
708: start control module
709: start J2eeServer
710: start Module
711: start Application
712: report completion
713: report completion

Fig. 7

TOGETHER WE STAND

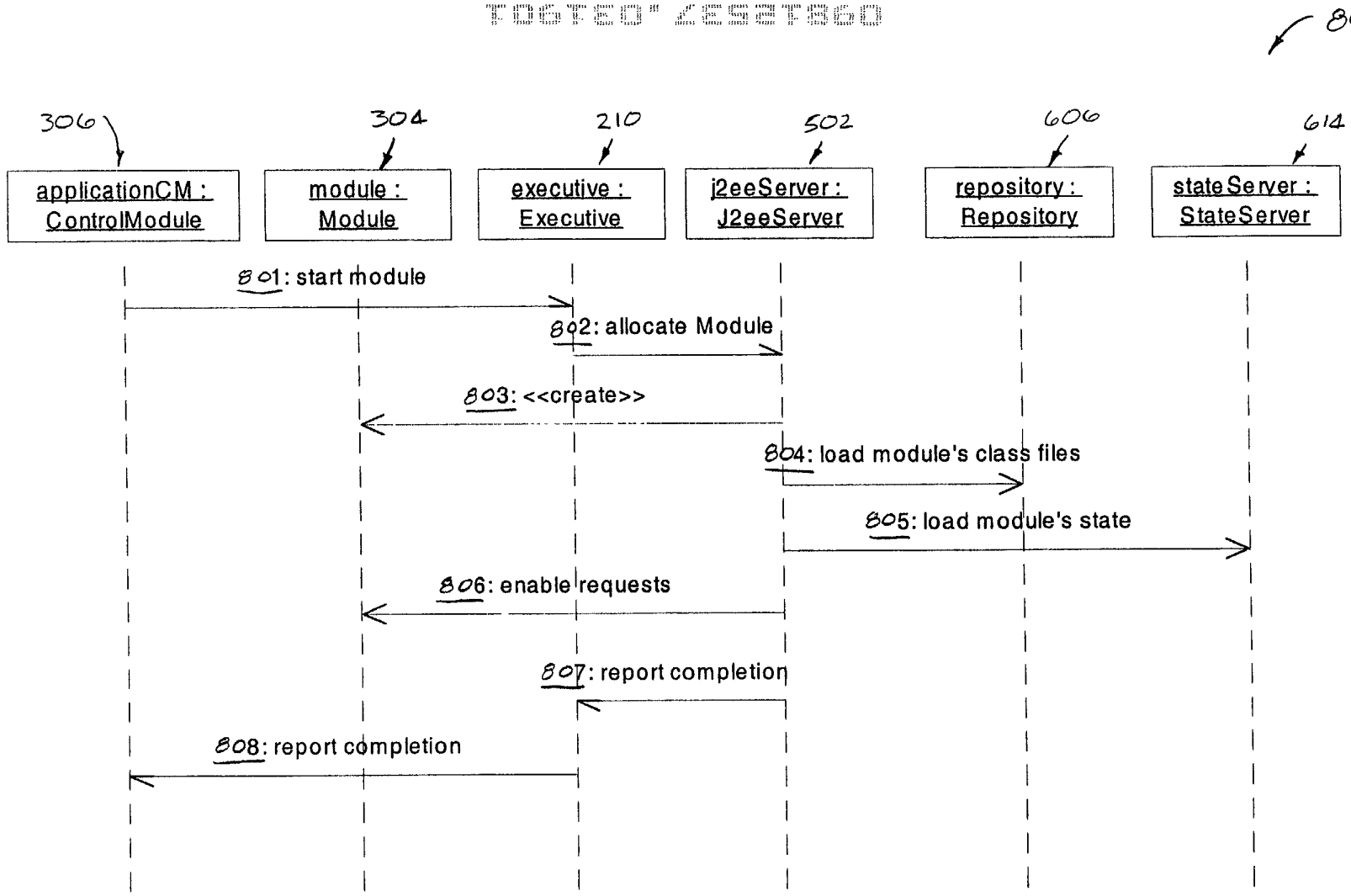

Fig 8

TOGTED" 2ESETBCD

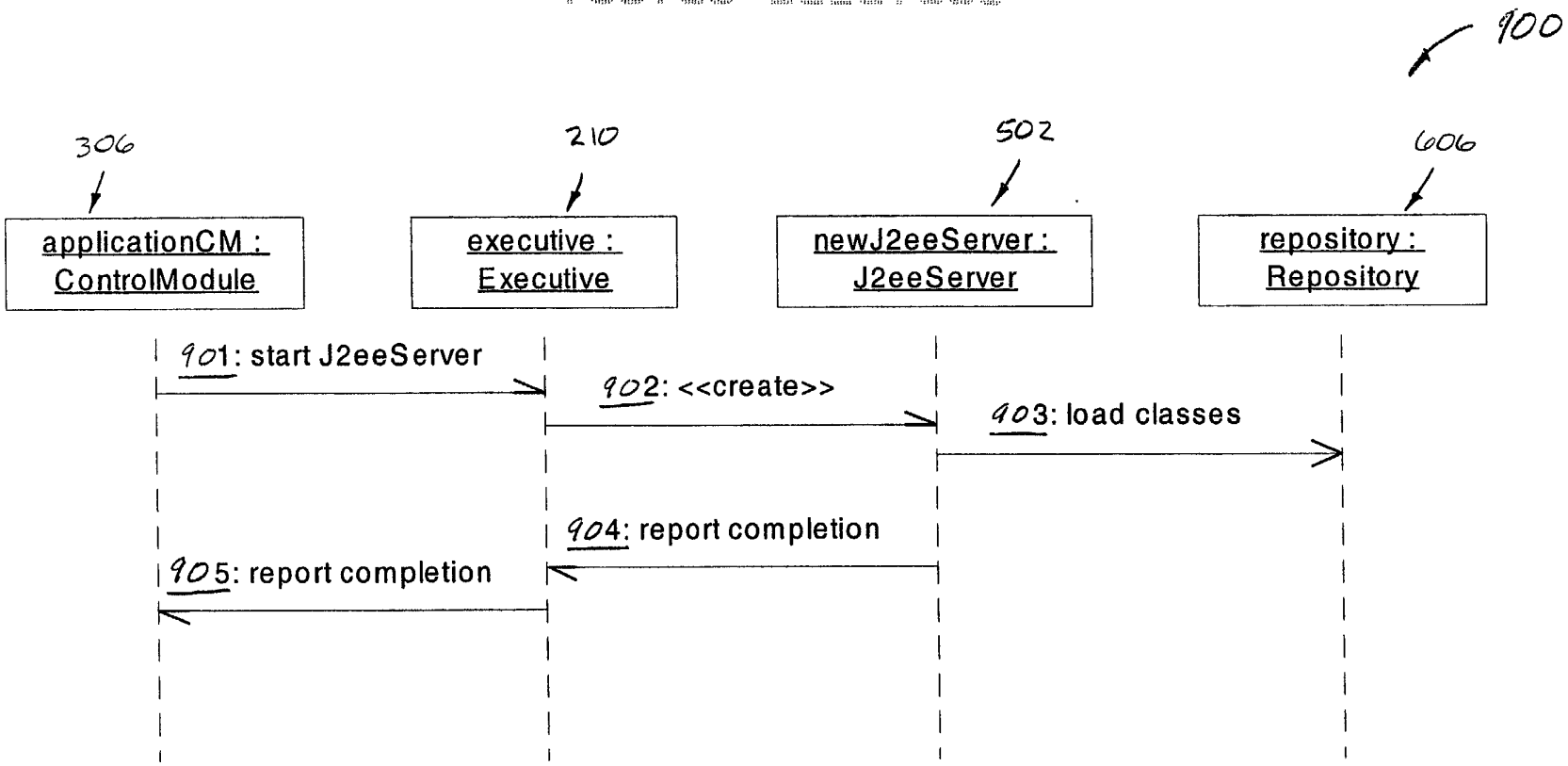

FIG 9

PROTECT ASSERTED

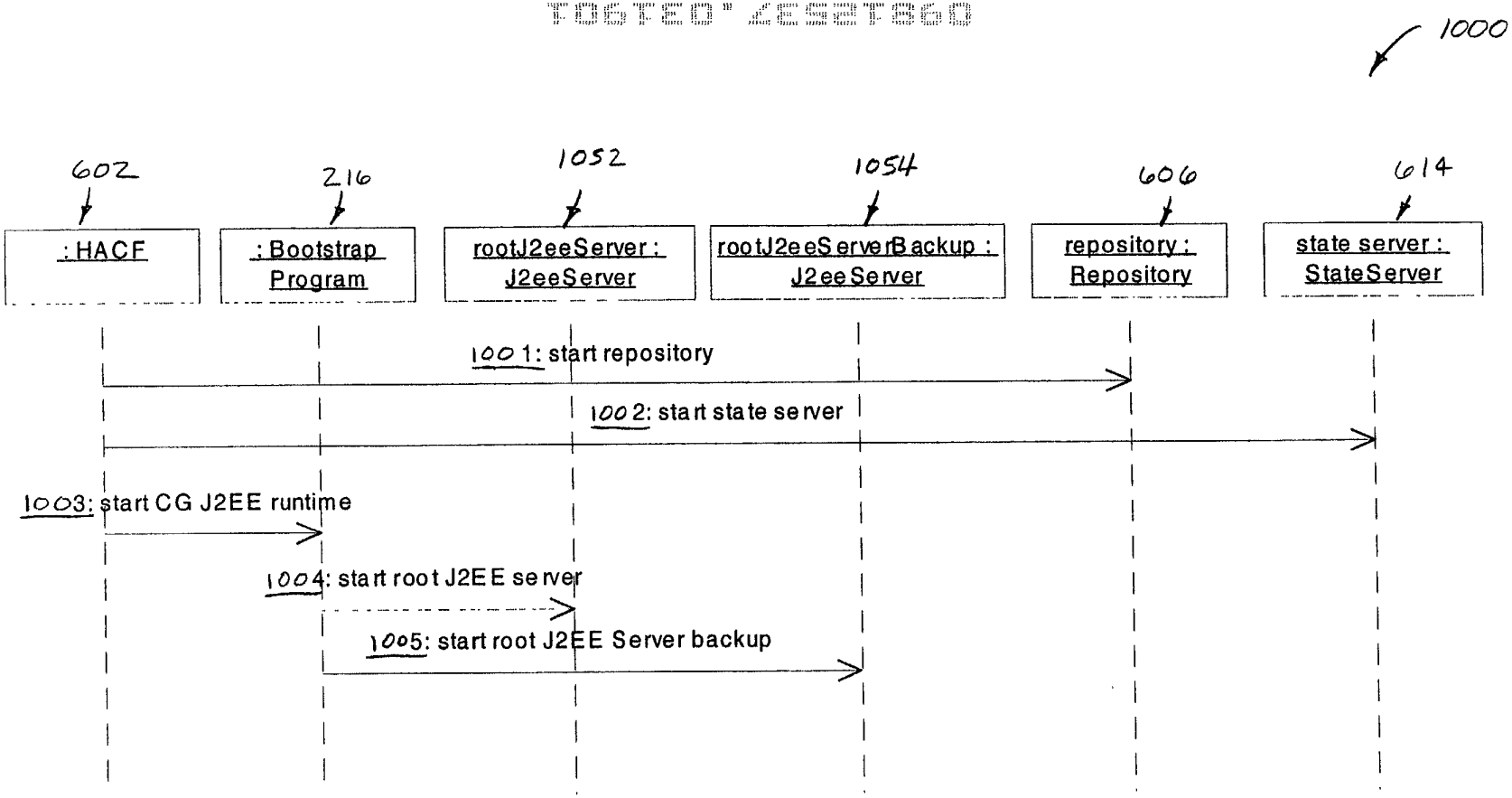

Fig 10A

Tested Design

1000

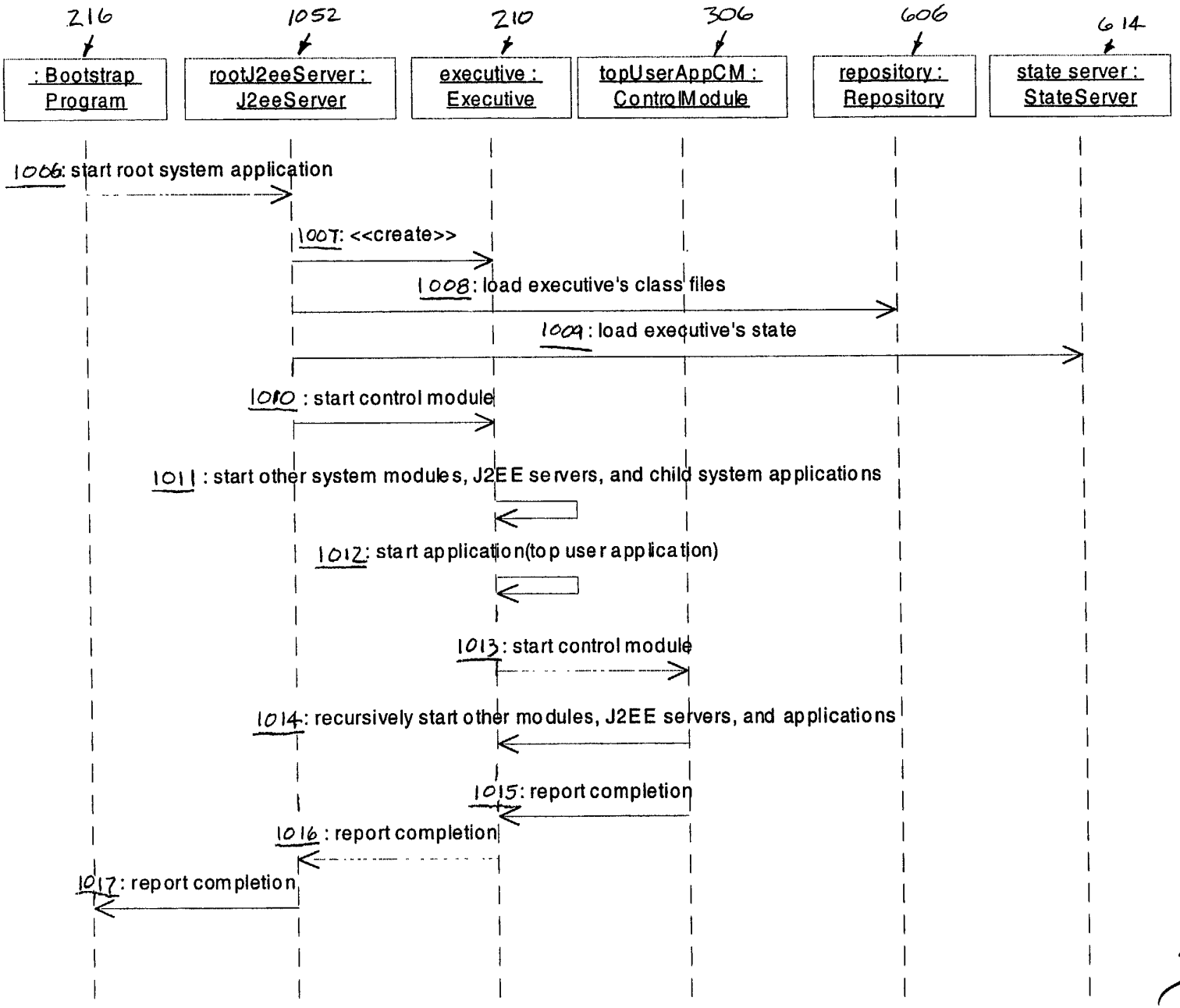

Fig 10B

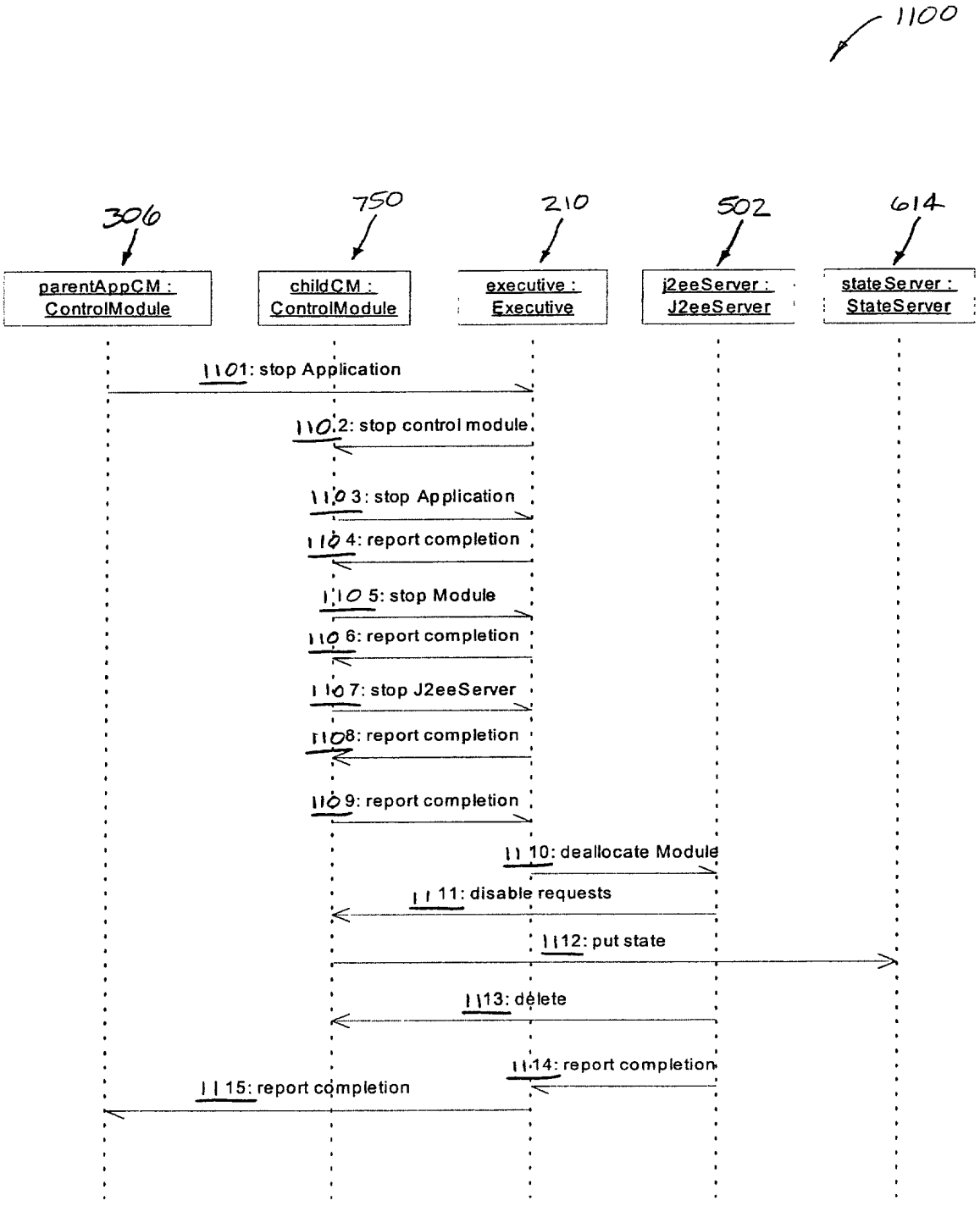
1100
306
750
210
502
614
parentAppCM : ControlModule
childCM : ControlModule
executive : Executive
j2eeServer : J2eeServer
stateServer : StateServer
1101: stop Application
1102: stop control module
1103: stop Application
1104: report completion
1105: stop Module
1106: report completion
1107: stop J2eeServer
1108: report completion
1109: report completion
1110: deallocate Module
1111: disable requests
1112: put state
1113: delete
1114: report completion
1115: report completion

FIG. 11

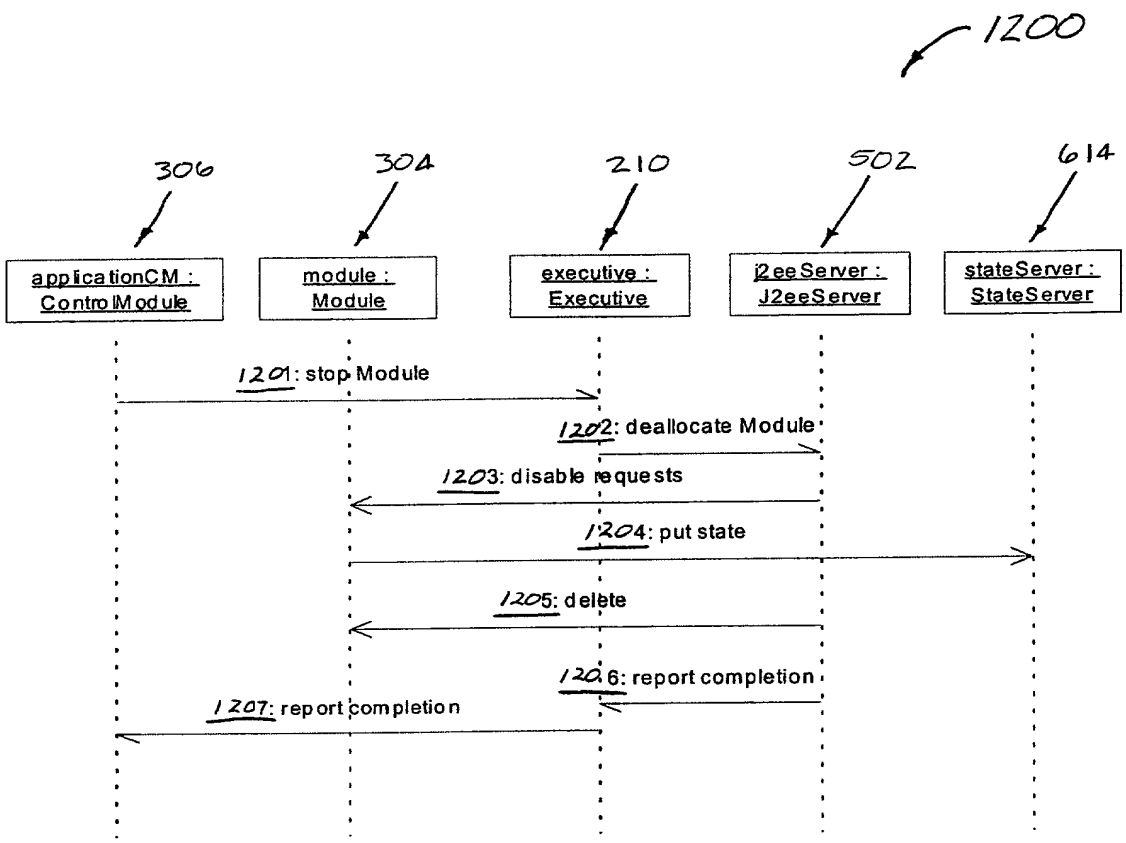
1200
306
304
210
502
614
applicationCM : ControlModule
module : Module
executive : Executive
j2eeServer : J2eeServer
stateServer : StateServer
1201: stop Module
1202: deallocate Module
1203: disable requests
1204: put state
1205: delete
1206: report completion
1207: report completion

Fig. 12

TESTED - CERTIFIED

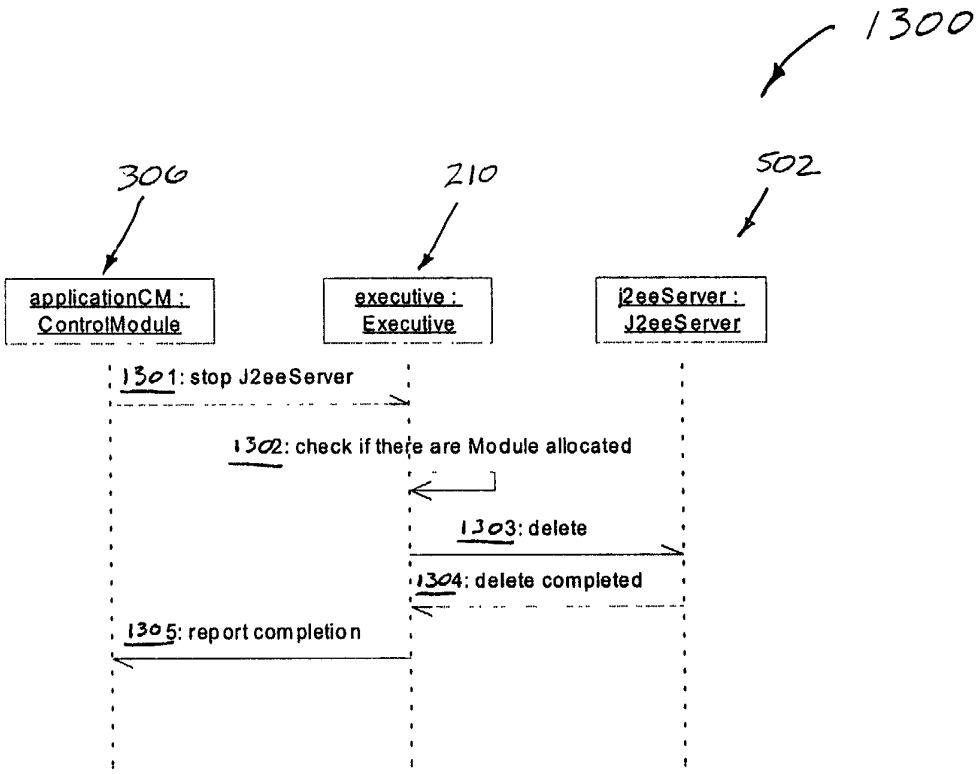

Fig. 13

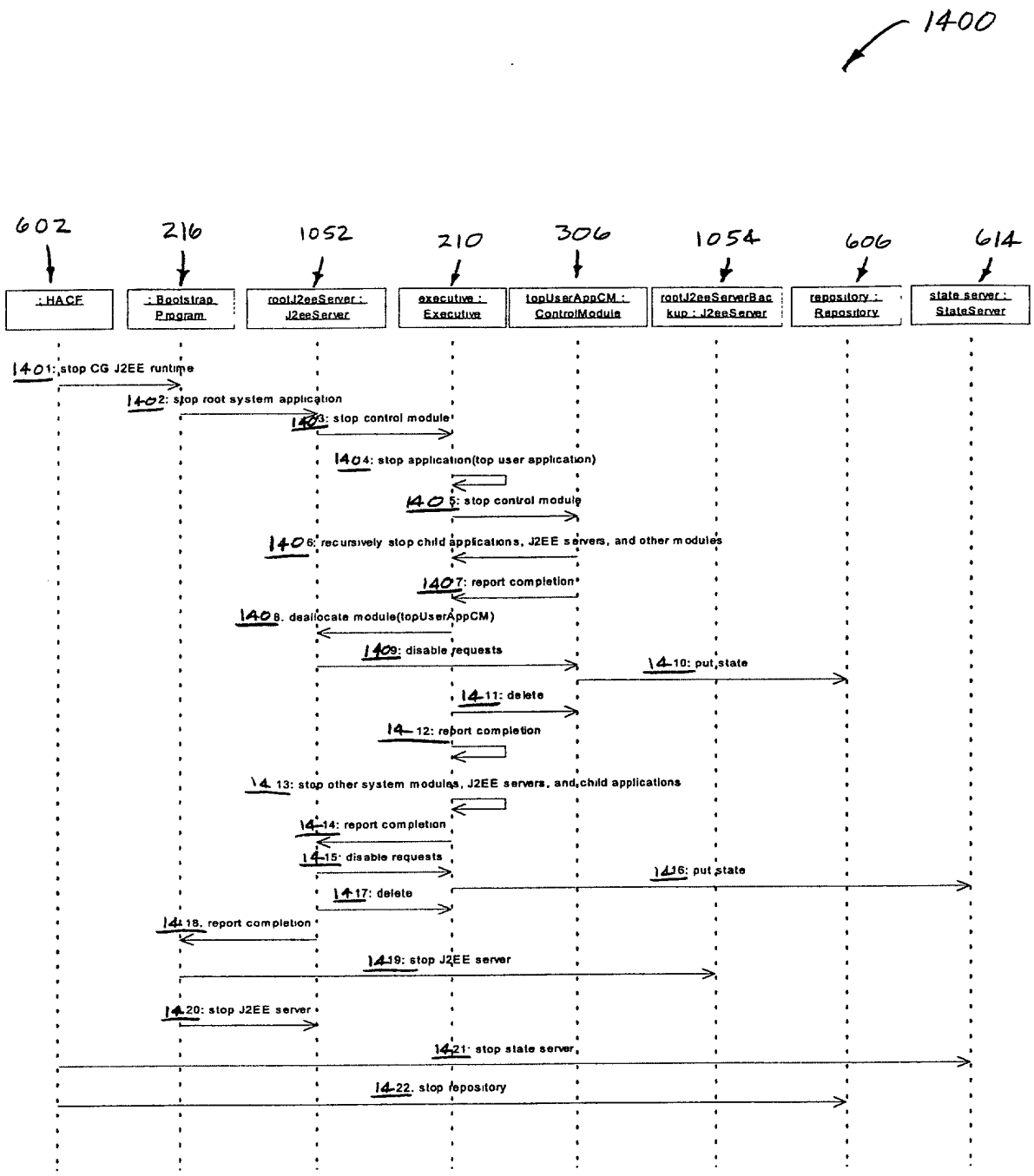
1400
602
216
1052
210
306
1054
606
614
: HACF
: Bootstrap Program
root J2eeServer : J2eeServer
executive : Executive
topUserAppCM : ControlModule
root J2eeServerBackup : J2eeServer
repository : Repository
state server : StateServer
1401: stop CG J2EE runtime
1402: stop root system application
1403: stop control module
1404: stop application(top user application)
1405: stop control module
1406: recursively stop child applications, J2EE servers, and other modules
1407: report completion
1408: deallocate module(topUserAppCM)
1409: disable requests
1410: put state
1411: delete
1412: report completion
1413: stop other system modules, J2EE servers, and child applications
1414: report completion
1415: disable requests
1416: put state
1417: delete
1418: report completion
1419: stop J2EE server
1420: stop J2EE server
1421: stop state server
1422: stop repository

Fig. 14

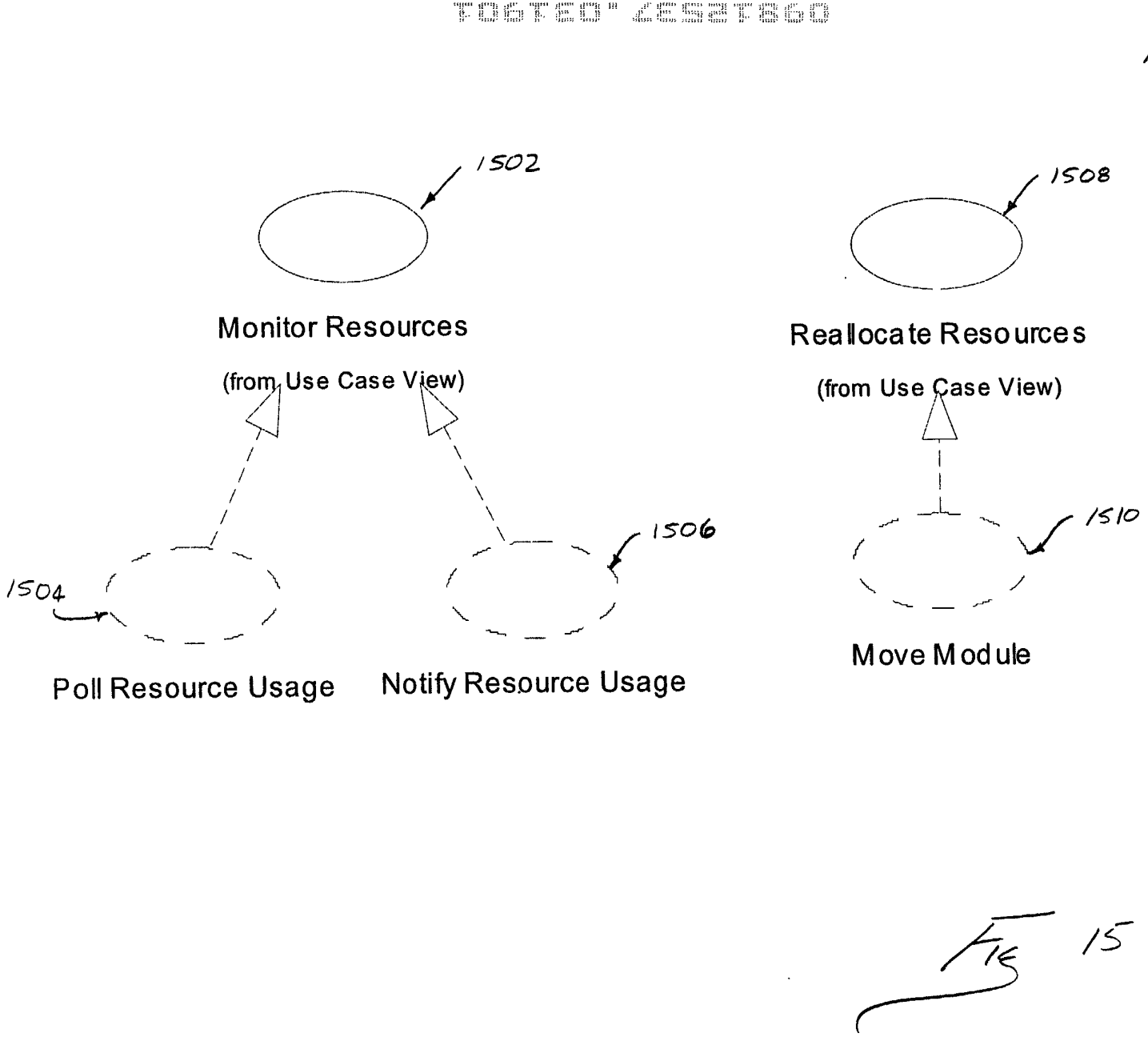
1500
1502
Monitor Resources
(from Use Case View)
1504
Poll Resource Usage
1506
Notify Resource Usage
1508
Reallocate Resources
(from Use Case View)
1510
Move Module

Fig 15

FOCTED: 2E52T8E0

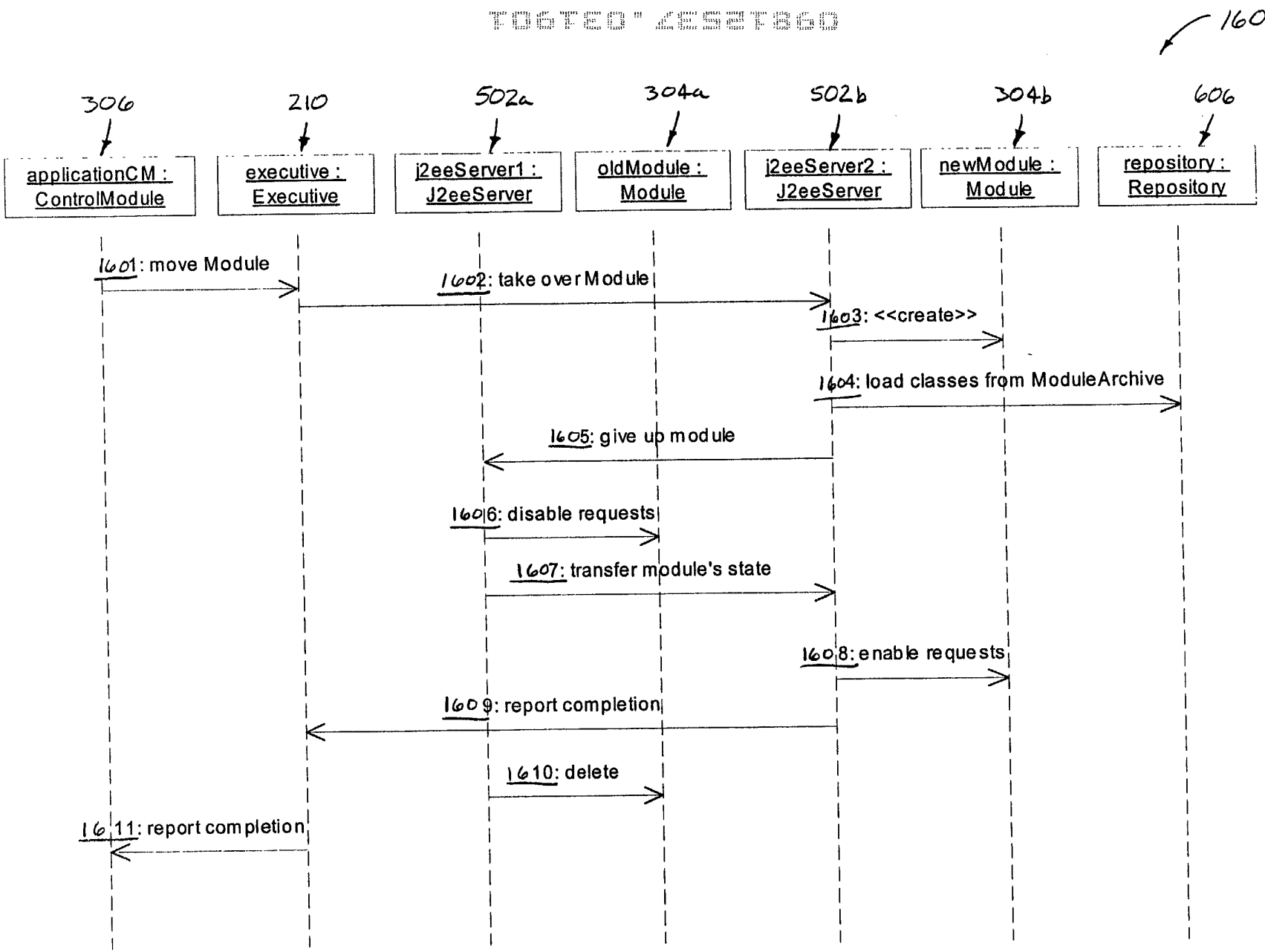

Fig. 16